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Attachment I

OPERATIONAL PROGRAMS

TCS-1454-63-KH

Copy No. 3IMMEDIATE REPORTS1. IRO41 - OAK - IPIR - SITSUM

TYPE: Published Report--This program is designed to list the information obtained by aerial coverage on top priority targets. Output is punched to update the COMOR files.

USAGE: Daily. Proofs and Reports. Time varies from 10 minutes to 25 minutes each run. Averages two plus runs per report.

2. IC061 - Card Conversion for SITSUM

TYPE: Conversion Card to Card, (old card system to new card system), then to tape.

USAGE: One time.

MCI REPORTS3. IE011 - MCI Proof List and Edit

TYPE: Edit. This program is designed to produce a proof listing of an MCI publication.

USAGE: Not used to date.

4. IE021 - MCI Final Proof

TYPE: Proof Listing: This program is designed to produce the final proof list which incorporates any changes observed on the initial proof listings. A tape is created for input to the MCI Mat Run.

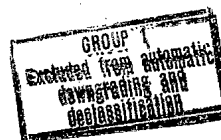
USAGE: One a week. Varies, 1 hour average.

5. IRO11 - MCI Mats Generation

TYPE: Published report. Lists MCI Report on Mats from tape produced from MCI final proof program. Also checks table tape for COMOR Targets, and as output punches card for each COMOR Target, produces a tape to update the MCI File and a tape to update the Master File.

USAGE: One a week. 30 minutes to 1 hour.

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MCI REPORTS (CONTINUED)

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TCS-1454-63-KH6. IR021 - MATS Index

TYPE: Published Report. The purpose of this program is to produce an index to the MCI publications.

USAGE: One a week, 15 minutes.

7. IR031 - MCI Master File

TYPE: Update the Master MCI File and to produce a listing of all additions to that file on 5 x 8 cards. Output is an updated MCI Master Tape.

USAGE: One a month. 2 1/2 hours average.

8. IR031 - MCI Master File Maintenance

TYPE: Maintenance. This program is designed to make changes to the MCI Master File by the addition, deletion, or replacement of logical tape records. Output will be a corrected master tape.

USAGE: One a week. 1 1/2 hours to 2 hours.

9. IC011 - MCI File - Card to Tape Conversion

TYPE: Card to Tape conversion. Writes to tape in blocked format all the MCI Files.

USAGE: One time.

10. IC031 - WAC - Coordinate Table

TYPE: Card to Tape. To build a table of coordinates within WAC, within Country. To be used in program to list first MCI proof copy.

USAGE: Will be used average of one weekly.

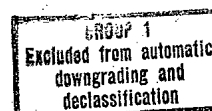
11. IC041 - COMOR - NPIC Table

TYPE: Card to Tape. To build a table of COMORS to run against headers to determine if any regular headers are the same as COMORS. (Used in MCI Mat Run).

USAGE: One a week. 30 Minutes.

- 2 -

TOP SECRET

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KEYHOLE CHANNELS Attachment I

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TCS-1454-63-KH

TARGET BRIEF MAINTENANCE**12. IM011 - Regular File Maintenance (Tape)**

TYPE: Update and Maintenance. This program is designed to update the Regular Briefs Master File through the addition of the latest HCI tape to that file. Output includes an updated Regular Briefs Master File, an updated Regular Briefs Header File, and/or printed listing.

USAGE: One a week, 1 hour: update selected EPIC briefs.
One a month, 10-12 hours: print entire file. (UR).
One a month, 3 hours: print entire file. (CU).

13. IM021 - Regular or Special Card Maintenance

TYPE: Update and Maintenance. This program is designed to print and/or update the Regular or Special Master File by using add, delete, or change cards. An updated Master File is output along with an updated header list tape used to print Briefs Lists B, C, D, and E. CONOR table cards are punched whenever updating the Special Briefs File.

USAGE: One a day or 11 a week, 2 hours per run.
(See Above)

14. IR131 - Target Briefs Index - 5 x 8 Cards

TYPE: Listing. To list the records on any briefs header tape on 5 x 8 cards.

USAGE: As required. Requirements not established. (Run once).

15. IR121 - Briefs List "A"

TYPE: Listing. To produce a listing of target briefs or of briefs headers. Listing is from card input.

USAGE: One a week. 15-20 minutes.

16. IM061 - Briefs Header Record Listing

TYPE: List Target Books. To produce Briefs Header Lists B, C, D, and E. (From tape produced by master file maintenance program.)

USAGE: Three - four a week. 10 minutes average.

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KEYHOLE CHANNELS Attachment I

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TCS-1454-63-KH

TARGET BRIEF MAINTENANCE (CONTINUED)17. IM051 - Master File Maintenance

Maintenance/Listing Program. Rewrite to include IM021 and IM011 in one program, having these additional capabilities:

- a. Assigning record numbers to the additions automatically.
- b. Reflecting all targets deleted from file.
- c. Variable output to work tape.

18. IR161 - Master File Edit Program

Listing/Edit Program. Designed to list all errors found by scanning the master file tapes. Also will test ability to recognize automatically the different types of References in the File. Output is a corrected Master File, with the option to split the file into sections by WAC.

19. SILCOM - Special Master File Retrieval Program

Special retrieval program, designed to select all "COMOR" targets onto a special output tape. (Used for recurring special requests).

OTHER20. IR051 - IBID File

TYPE: Published Report. This program is designed to list the acquisition numbers of downgraded aerial photography as authorized by COMOR.

USAGE: One ever 3-4 months. 1 hour.

21. IO021 - IBID Control

TYPE: Builds table in core. To compute the total number of frames to be processed on each camera for the IBID listing.

USAGE: One every 3-4 months. 1 hour.

22. UC011 - IBID Conversion

TYPE: Card to tape conversion. Converts the cards used in the first 4 vols. of IBID to tape in the same format as the present IBID. (Old format to New).

USAGE: One time.

-4-

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TCS-1454-63-KHOTHER (CONTINUED)**23. IR101 - Bohemian Pitch and Roll**

TYPE: Listing. To produce a listing showing the pitch and roll status of the vehicle at the time each photograph is taken.

USAGE: Two every KH. 1 hour each run.

24. IR031 - Bohemian Camera Check

TYPE: Listing this program check lists and edits the card output from the automatic "dot" reader. Shows clocking errors, etc., for each mission.

USAGE: Two every KH. 30 minutes each run.
Scramble and unscramble runs, two hours each KH.

25. IR011 - Minicard Tag Count

TYPE: Listing. Designed to count the number of numeric file words and I-H Minicards to the Minicard System. Output will be a listing showing the number of Minicards by tag that will be made when file expanded.

USAGE: One a week. 1 hour.

26. IR111 - Conversion of Minicard Code Cards which are presently in System

TYPE: Card to tape conversion. Designed to write to one tape the 6, 7, & 8 codes, card number and "S" number, and to another tape the entire Minicard input cards. These tapes will be used with program No. IR 051 to check for invalid codes which presently exist in the Minicard File.

USAGE: One time.

27. AC101 - Conversion of Minicard Code Book to Tape

TYPE: A card to tape conversion program designed to write to tape all Minicard codes, descriptive information, and tags found in the Minicard Code Book. This is a one time program.

USAGE: One time.

- 5 -

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Attachment I

TCS-1454-63-KH

OTHER (CONTINUED)28. IED51 - Minicard File Edit. (Future Input)

TYPE: An Edit type program designed to check for invalid codes on the input cards to the Minicard system. All codes which are presently in the system may be run against this program as well as all further input cards. Any error codes will be listed in code number order.

USAGE: One a month. 20 minutes.

29. IED61 - Minicard File Edit. (Existing Files)

TYPE: Edit program designed to list the complete input card which contains a file work error. This was designed to do a spot check of the codes presently incorporated in the system.

USAGE: One time.

30. URO31 - Master Minicard Code Book Listing.

TYPE: A card to printer utility program. Designed to list the contents of the Minicard Code Book as follows:

- a. By Authority -- Authorized designators for equipment, i.e., radar, aircraft, etc.
- b. By modifier--Status of items, i.e., active, inactive, etc.
- c. Numeric--File Word
- d. Alphabetic--by description
- e. Geographic Authority--Authorized designators for: localities, popular name and native name.

USAGE: As required. 15 minutes.

31. RRO11 - Project Status

TYPE: Published Report. A report of the status of the various projects within NPIC.

USAGE: Monthly Report (6 different runs) 2- $\frac{1}{2}$ hours, (total time).

32. RRO21 - All Source

TYPE: Printed Report. Designed to list the All Source TALENT Reports. This is a card to printer program. (Temporary until tape system is designed).

USAGE: Request only.

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KEYNOTE CHANNELS
ONLYOTHER (CONTINUED)Attachment I
TCS-1454-63-KH33. IRO81 - Time Correlation - Publications Division

TYPE: Listing. This program is designed to produce listings showing the number of regular and overtime hours worked per month. One listing by Project Number within employee.

USAGE: Once a month. 30 minutes (2 runs)

34. IRO91 - Time Correlation - DMD, CSD

TYPE: Listing. To list the regular and overtime hours worked by employee.

USAGE: Monthly. (30 minutes each run. Number of runs not established).

35. SROL1 - Inventory

TYPE: Utility. An inventory of all furniture and machines.

USAGE: Yearly. 2 runs, 1 hour each.

36. PRO21 - Building 213 Telephone Directory

TYPE: Listing. A card to printer routine to list all employees, room number and telephone numbers.

USAGE: One each three months. 20 minutes.

37. PRO11 - Listing of Special Security Clearance Cards

TYPE: Listing. To produce a listing of all employees who hold special clearances and which clearances they have.

USAGE: One time. This program and all materials pertaining to the program have been turned over to the Office of Security for their use.

38. PCO11 - Conversion of Special Security Clearance Cards

TYPE: Conversion - Card to Card. To convert the five different special security clearance cards to a common format.

USAGE: One time. This program and all material relating to the program have been turned over to the Office of Security for their use.

39. ICO11 - Regular and COMOR Files - Card to Tape Conversion

TYPE: Card to tape conversion.

USAGE: One time.

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TCS-1454-63-KHOTHER (CONTINUED)40. "BEST GUESS"

TYPE: Listing. To list the contents of the "Best Guess" ephemeris tape from the West Coast.

USAGE: Three every KIL. 20 minutes each run.

41. US001 - Merge Program

Utility program, designed to perform all functions of a collator, by use of control cards. (80 col compare is possible.)

42. RR001 - Contract Status Program

Maintenance report type program, designed to produce internal and sterile report on rats, showing the status of all contracts entered into by NPIC; while making appropriate alterations to make the report current.

43. RR022 - All Source Tape Program

Original RR001 modified to read magnetic tape and produce required all source reports.

44. IC101 - All Source Conversion Program

All source program to convert IBM cards to tape.

45. IC131 - All Source to Library Circulation Control Program

Produces the Library's "Circulation Control Master Cards", from the All Source File.

46. DD061 - IBID Maintenance Program

An update and maintenance program designed to place a "tag" beside the frame number to indicate that the frame has been downgraded. Used once every 3 months, 15-20 minutes.

47. LB151 - IBID Retrieval/Report Program

Selects and prints all or desired portions of any IBID tape. Parameters are fed in on cards. Used once every three months, 15-20 minutes.

- 8 -

TOP SECRET

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TCS-1454-63-KHPROGRAMS BEING WRITTENIMMEDIATE REPORTS1. OAK-IPTR-SITSUM (Rewrite).

Report producing program, designed to check all target headers to insure correct reporting has been accomplished; also produces card output for updating master files and updated header tape for use on subsequent run. When corrections have been made, produces mats.

MCI REPORTS2. IR032 - MCI Master File Update Program

A rewrite of the MCI Master File update program designed to produce a listing on 5 x 8 cards of all additions to the file. An updated MCI tape will also be output. This program will eliminate the necessity of using map reference cards as input. A map reference tape has been created in WAC number order, which will replace the old map reference cards.

3. IR012 - MCI Mats Generation

Modification of IR011 to eliminate blank RPIC targets and to provide a means of introducing an inactive target via MCI publications.

TARGET BRIEFS4. IR141 - Separation/Listing of Work Tape

This is a listing type program, designed to list the work tape generated by IR051, to produce up to six different listings and/or six different output tapes. (Limited to 3 tapes per run).

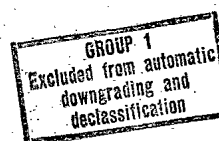
5. IR161 - Special Target Briefs History Program

An update/listing program designed specifically for "Cuba" target briefs. The purpose is to update the history tape by adding all accumulated coverage from the current working tape to the history tape. Output will be a new working tape, an updated history tape and various list options.

6. IR171 - Target Briefs Selection/List Program

Selection program designed to select by a variety of parameters simultaneously list in the standard briefs format, categories are:

- a. WAC
- b. WAC/PIC
- c. WAC/PIC/Specified Bucket(s)

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KEYHOLE CHANNELS
ONLYAttachment I
TCS-1454-63-KHTARGET BRIEFS (CONTINUED)

Item 6 Continued:

This satisfies various weekly/monthly standard requests.

7. DC51 - Master File Maintenance

Modification to incorporate the "split reel" feature, i.e., to be able to handle multi-part file, thereby reducing tape passing time to get to any portion of the file.

OTHER8. IC041 - Coordinate Retrieval Program

This program is a pilot study to determine the accuracy which may be obtained when selecting target briefs on the basis of four corner points.

9. UC011 - Circulation Control Charge Out Program

This program is designed to list the "out" file and indicate all overdue documents, charged from the library.

10. UC021 - Circulation Control Accountability Program

This program will list the entire document control file, indicating all charged out documents and detecting those documents which control over has been lost.

11. IC051 - General Retrieval Program

A retrieval program to select from any type tape, up to eight levels of different terms. The number of terms limited only by the amount of core available after program is loaded.

12. IE071 - Minicard Input-Validity Check

A utility type program designed to check the validity of the input cards to the Minicard System and to punch additional characters into these cards which will control the camera and input mechanism.

- 10 -

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TCS-1454-63-KHAPPLICATION AREAS UNDER CONSIDERATION/DEVELOPMENT1. Information Retrieval:

- a. Three level, parameter type program, developed and tested. Can select on any number (limited only core) of parameters, specified in three levels.
- b. Eight level parameter type program, under development--same characteristics as above.
- c. Search term open end type program, under consideration, would enable selection on basis of subject codes within specified limits of input records.

2. Reference Library Circulation Control:

- a. Program developed to convert present card file to produce one card for every document in library with associated list.
- b. Program under consideration to list the librarians "out" file, producing an "out" listing and overdue notice card.
- c. Program under consideration to list the "out" file and all "shelf" cards, producing an "accountability" listing showing any "doc's" for which control has been lost.
- d. Also under development is the production of all input to the Minicard and "All Source Systems" at the time the document is introduced into the Library, and put under circulation control.

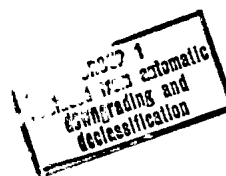
3. Reports/Documents Data Base Generation--Establishment, Maintenance and Use.

(Could be established at document introduction, and would require one program to maintain).

4. Main Applications Area:

- a. Considering and designing dual card system to standardize all of input to main application area.
- b. The storage of all back-up card files on magnetic tape to reduce the storage area required.

- 11 -

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Attachment I
TCS-1454-63-KH

DATA BASE DEVELOPMENT

1. Total Data Base Index Development--establishment, format, cross-referencing, maintenance and use.
2. Usage criteria for the target briefs file--their employment after criteria approved.
3. Creation of History Files--their format and maintenance.
4. Relationship between electronic D.P. and Manual for storage and retrieval.
 - a. Requirement-Indexing--their classification and relevant data retrieval.
 - b. MFI-Indexing--retrieval according to subject code and relevant targets.

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